

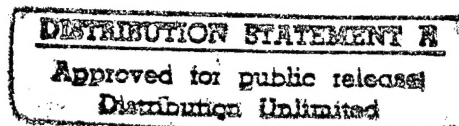
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February 28, 1996

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*Confidential*  
Ms. Angela N. Potter  
Department of the Navy  
Office of Naval Research  
Resident Representative  
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MBD  
4330  
Ser 551  
18 October 1995



Dear Ms. Potter:

Enclosed you will find the reports required by contract F30602-95-C-0147. The reports have also been delivered to John Salerno who supervised this work at the Air Force Rome Laboratory. Please contact me if you require any additional information.

Sincerely,

Scott Spetka

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Enclosures:

100-Day Contract Report (August 30, 1995)  
Quarterly Contract Report (November 30, 1995)  
Final Contract Report (January 6, 1996)

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FINAL Contract Report  
Contract Number: F30602-95-C-0147  
Using Internet Protocols  
for Client/Server Retrieval and Display  
in a Text/Graphic Database  
Scott Spetka - Principal Investigator  
January 6, 1996

Section 1 - Introduction

This report describes changes in the INTELINK system that have been developed under contract F30602-95-C-0147 and other activities that also took place during that contract period. The period covered is from December 1, 1995 through January 6, 1996. During this period, most of the development effort centered around cleaning up the documentation and source code developed under the contract and planning for future applications. John Gates was hired in the final reporting period to help with documentation and system maintenance.

Section 2 describes how the INTELINK system can be extended to provide access to other databases in addition to IPA. Section 3 summarizes the results produced from the contract. Section 4 provides an assessment of issues that will become increasingly important to future INTELINK developments.

## Section 2 - The INTELINK Architecture and Multi-Database Access

Figure 1 illustrates INTELINK Openserver support for access to multiple Sybase databases through the INTELINK system.

### INTELINK System Architecture Release 3.0

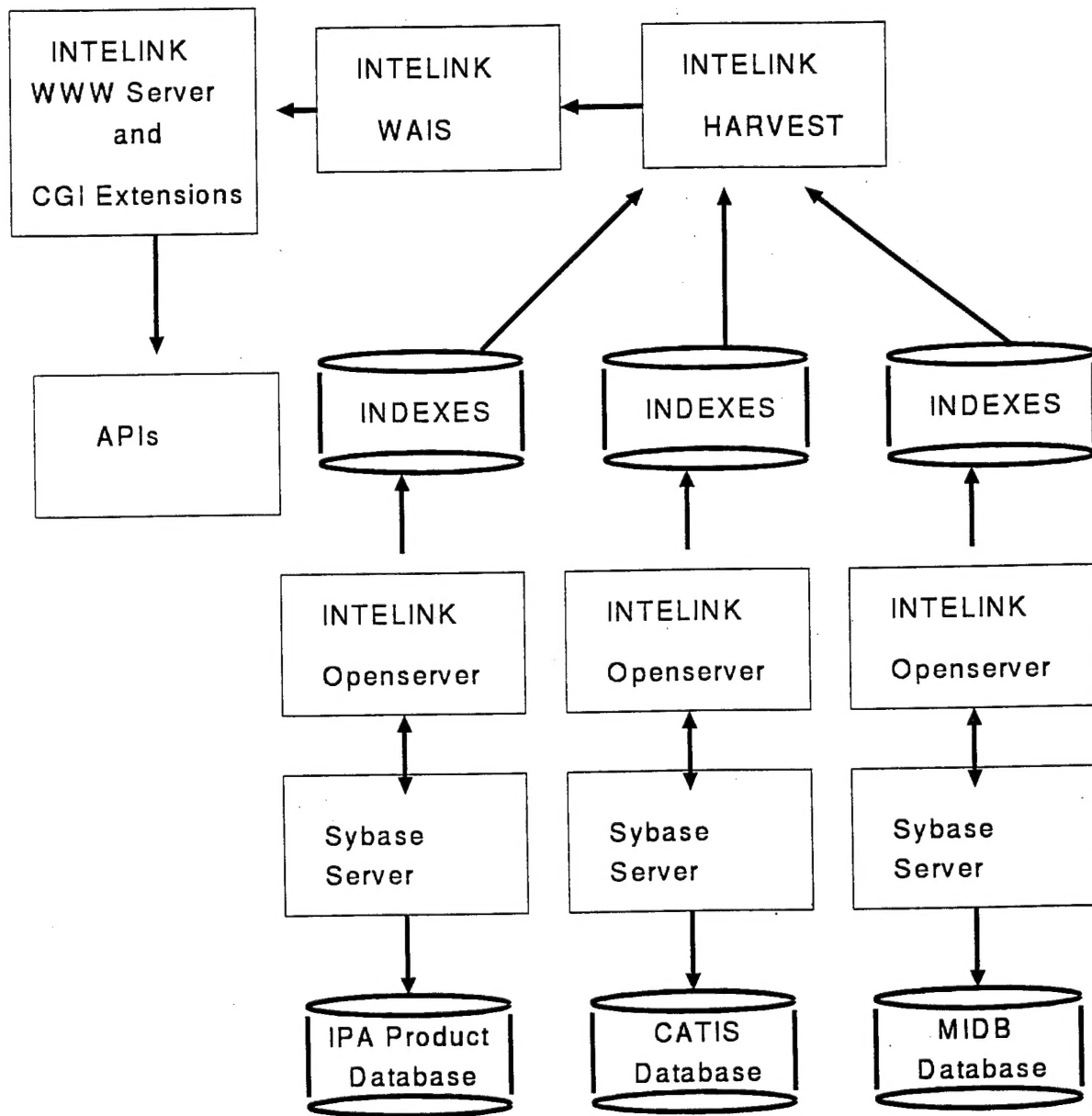


Figure 1 - INTELINK Multi-Database Access

### Section 3 - Summary of Results

The main goals of the contract were accomplished. Under the direction of Mr. John Salerno, Head of the INTELINK development project, the emphasis on specific tasks required by the contract was determined to optimally meet the demands of the overall development effort. The major accomplishments achieved under the contract are documented in the quarterly reports.

### Section 4 - Future Development of INTELINK

A major increase in effort needs to be assigned to testing and analysis of scaling issues for the INTELINK architecture. The number of sites running INTELINK is growing quickly and the system is being used in production mode. Introduction of additional databases under the INTELINK system will lead to changes in the architecture to avoid potential performance problems.